# FOXP3 Polyclonal Antibody

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| **Catalog No** | BYab-02246 |
| **Isotype** | IgG |
| **Reactivity** | Human;Mouse;Rat;Pig |
| **Applications** | WB;IHC;IF;ELISA |
| **Gene Name** | FOXP3 |
| **Protein Name** | Forkhead box protein P3 |
| **Immunogen** | The antiserum was produced against synthesized peptide derived from the C-terminal region of human FOXP3. AA range:381-430 |
| **Specificity** | FOXP3 Polyclonal Antibody detects endogenous levels of FOXP3 protein. |
| **Formulation** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| **Source** | Polyclonal, Rabbit,IgG |
| **Purification** | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| **Dilution** | WB: 1/500 - 1/2000. IHC-p: 1/100-1/300. ELISA: 1/20000.. IF 1:50-200 |
| **Concentration** | 1 mg/ml |
| **Purity** | ≥90% |
| **Storage Stability** | -20°C/1 year |
| **Synonyms** | FOXP3; IPEX; JM2; Forkhead box protein P3; Scurfin |
| **Observed Band** | 47kD |
| **Cell Pathway** | Nucleus . Cytoplasm . Predominantly expressed in the cytoplasm in activated conventional T-cells whereas predominantly expressed in the nucleus in regulatory T-cells (Treg). The 41 kDa form derived by proteolytic processing is found exclusively in the chromatin fraction of activated Treg cells (By similarity). . |
| **Tissue Specificity** | |
| **Function** | disease:Defects in FOXP3 are the cause of immunodeficiency polyendocrinopathy, enteropathy, X-linked syndrome (IPEX) [MIM:304790]; also known as X-linked autoimmunity-immunodeficiency syndrome. IPEX is characterized by neonatal onset insulin-dependent diabetes mellitus, infections, secretory diarrhea, trombocytopenia, anemia and eczema. It is usually lethal in infancy.,function:Probable transcription factor. Plays a critical role in the control of immune response.,online information:FOXP3 entry,online information:FOXP3 mutation db,similarity:Contains 1 C2H2-type zinc finger.,similarity:Contains 1 fork-head DNA-binding domain., |

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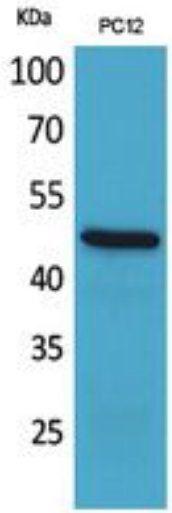
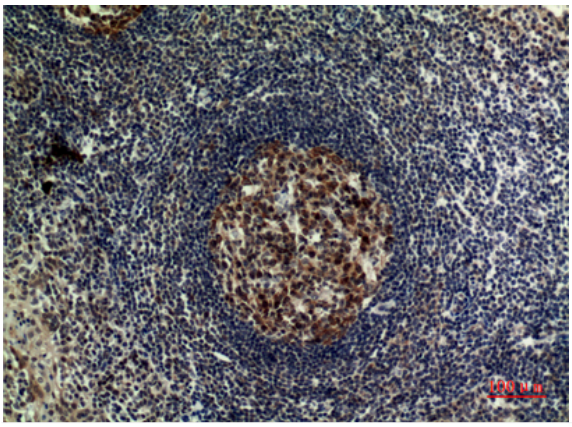
| **Background** | The protein encoded by this gene is a member of the forkhead/winged-helix family of transcriptional regulators. Defects in this gene are the cause of immunodeficiency polyendocrinopathy, enteropathy, X-linked syndrome (IPEX), also known as X-linked autoimmunity-immunodeficiency syndrome. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008], |
| **matters needing attention** | Avoid repeated freezing and thawing! |
| **Usage suggestions** | This product can be used in immunological reaction related experiments. For more information, please consult technical personnel. |

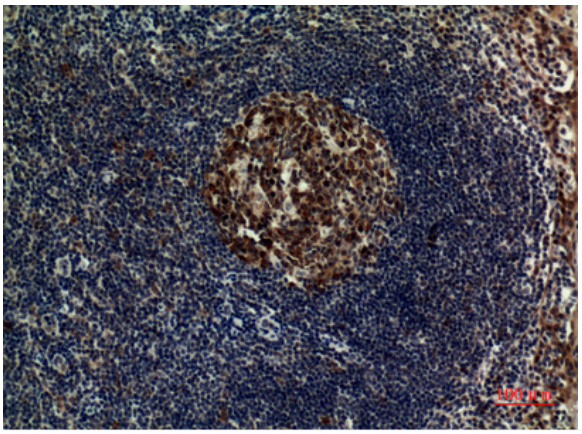
## Products Images



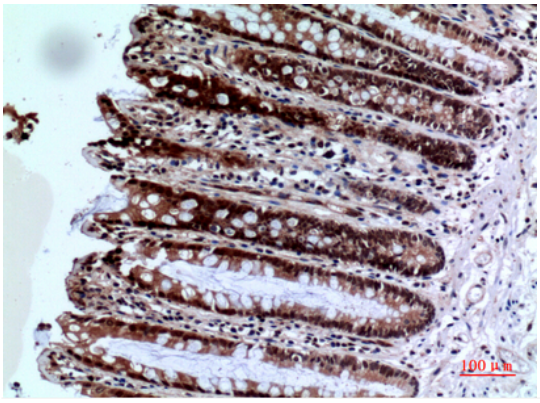

Western Blot analysis of PC12 cells using FOXP3 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



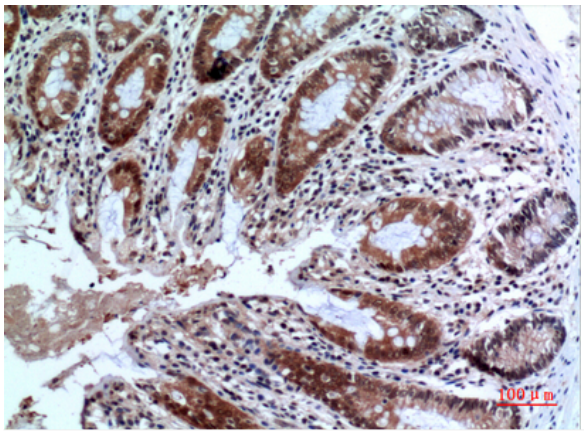
Immunohistochemical analysis of paraffin-embedded human-tonsilla, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded human-tonsilla, antibody was diluted at 1:100




Immunohistochemical analysis of paraffin-embedded human-colon, antibody was diluted at 1:100




Immunohistochemical analysis of paraffin-embedded human-colon, antibody was diluted at 1:100